

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051367

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F21S8/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F21S F21V F21P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 505 669 A (M. OTIS ANGELO MYGATT) 4 August 1920 (1920-08-04) page 1, line 42 - page 2, line 17 figures 3,4	1-4,8,9
A	DE 12 93 701 B (SIEMENS AG) 30 April 1969 (1969-04-30) column 2, line 49 - line 56 column 3, line 43 - line 55 figures 1,3	1-4,7-9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

Date of the actual completion of the international search

7 October 2004

Date of mailing of the international search report

19/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 254 225 B1 (ANAGNOSTOPOULOS CONSTANTINE N ET AL) 3 July 2001 (2001-07-03) cited in the application column 3, line 21 - line 36 column 4, line 23 - line 33 claim 1 figure 3	1,9
A	US 5 564 820 A (ENTROP JEAN P ET AL) 15 October 1996 (1996-10-15) cited in the application column 2, line 20 - line 48 claim 1 figure 1	1,9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IB2004/051367

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 505669	A	04-08-1920	NONE	
DE 1293701	B	30-04-1969	AT 263940 B CH 452461 A SE 336315 B	12-08-1968 31-05-1968 05-07-1971
US 6254225	B1	03-07-2001	US 6079821 A EP 1142718 A2 JP 2001315329 A EP 0911168 A2 JP 11192707 A US 6402305 B1	27-06-2000 10-10-2001 13-11-2001 28-04-1999 21-07-1999 11-06-2002
US 5564820	A	15-10-1996	AU 3520593 A BE 1005448 A6 BR 9301152 A CA 2092660 A1 DE 9302735 U1 DE 69311583 D1 DE 69311583 T2 EP 0544651 A1 ES 2105065 T3 FR 2688576 A3 JP 2642032 B2 JP 6020513 A MX 9301261 A1	23-09-1993 27-07-1993 21-09-1993 17-09-1993 29-04-1993 24-07-1997 08-01-1998 02-06-1993 16-10-1997 17-09-1993 20-08-1997 28-01-1994 01-12-1993